

Neidi Negrón-Rodríguez

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EDUCATION

Massachusetts Institute of Technology (MIT)

Cambridge, MA

Ph.D. Candidate, Department of Chemical Engineering.

Sept. 2005-Present

- “Optimization of Recombinant Gene Dosages for Metabolic Engineering in *E.coli*”. Investigate the effects of varying gene levels in representative systems in *E.coli* in order to derive some fundamental relationships between gene dosage and final product that will allow the construction of optimal recombinant microorganisms.

Advisor: Prof. Kristala L. Jones Prather

University of Puerto Rico at Mayaguez (UPRM)

Mayaguez, PR

Bachelor of Science in Chemical Engineering, *Summa Cum Laude*

June 2005

- GPA: 4.0/4.0. Minor in Environmental Engineering.

EXPERIENCE

Abbott Laboratories

Barceloneta, PR

January-July 2005

Associate Process Support Engineer. Abbott Pharmaceuticals PR, Ltd. – Fermentation Plant.

- Provided technical assistance, like monitoring, troubleshooting and optimization of the recovery manufacturing processes.
- Wrote process validation and related engineering study protocols and oversaw their execution.
- Led the cleaning validation labor in the recovery manufacturing area, including execution of carryover studies and cleaning procedures' periodic validation reviews.
- Modified manufacturing direction modules.
- Administered and tracked the Management of Change (MOC) documents of the Recovery Process Support Department.

Abbott Laboratories

Lake County, IL

May-August 2004

Engineering Summer Intern. Abbott Diagnostic Division – Equipment Engineering Department.

- Coordinated work in cross-functional teams, including areas such as Validation Quality Group, Device Operations and Specification Development.
- Wrote necessary documentation for equipment qualification for manufacturing facilities and oversaw qualification approval process until completion.
- Developed communication and interpersonal skills while working with other engineers, operators and external vendors/suppliers.
- Designed equipment, using AutoCAD, to be implemented for the use of operators.
- Tested manufacturing materials in laboratory, which resulted in effective support of a manufacturing line.

Ponce Yacht and Fishing Club

Ponce, PR

1997-1999 (summers only)

Dance Instructor and Group Leader.

- Taught basic dancing techniques to girls between the ages of 4-12 and led the group of girls between the ages of 4-6 at the summer camp program.

SKILLS

Computer: Windows operating systems and Microsoft programs (Word, Excel, and Power Point), MATLAB and AutoCAD.

Language: Fluent in Spanish and English. Basic knowledge of French.

AWARDS

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- Lemelson Minority Engineering Presidential Fellow, 2005– MIT
 - Luis Stefani Rafucci Award, Highest Academic Achievement Class of 2005 – UPRM
 - Luis C. Monzón Award, Best Chemical Engineering Student Class of 2005 – UPRM
 - Faculty of Engineering Academic Excellence Award, Class of 2005 – UPRM
 - President's Award for Educational Excellence (by Bill Clinton) – 2000, 1996 & 1994.